

What is claimed is:

1. A resin-coated sand comprising:

a refractory granular aggregate, and

5 a coating layer, which is formed on the surface of the granular aggregate, obtained by coating with a thermosetting resin and a thermoplastic resin.

2. The resin-coated sand according to claim 1, which is formed by coating the surface of the granular aggregate with the thermosetting resin and further coating with the

10 thermoplastic resin.

3. The resin-coated sand according to claim 2, wherein the coating layer comprises:

a thermosetting resin layer containing the thermosetting resin, with which the surface of the granular aggregate is coated, and

15 a thermoplastic resin layer containing the thermoplastic resin, with which the surface of the thermosetting resin layer is coated.

4. The resin-coated sand according to claim 1 or 2, wherein, the thermoplastic resin is at least one selected from polyethylene, polypropylene, polyethylene glycol, polyamide,

20 polymethyl methacrylate and polystyrene.

5. The resin-coated sand according to claim 1 or 2, wherein the thermoplastic resin can at least be partially removed from the resin-coated sand by a heat treatment at 200°C for 1 to 7 hours.

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6. The resin-coated sand according to claim 1 or 2, wherein the amount of the

thermoplastic resin added is from 0.01 to 1.0 parts by mass with respect to 100 parts by mass of the granular aggregate.

7. The resin-coated sand according to claim 1 or 2, wherein a refractory temperature of
5 the granular aggregate is not lower than 1000°C.

8. The resin-coated sand according to claim 1 or 2, wherein a particle size of the granular aggregate is not less than 10 μm and not more than 300 μm .

10 9. The resin-coated sand according to claim 1 or 2, wherein the thermosetting resin is at least one of phenolic resin, melamine resin and urea resin.

10. The resin-coated sand according to claim 1 or 2, wherein a softening point of the thermosetting resin is not lower than 70°C and not higher than 130°C.

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11. The resin-coated sand according to claim 1 or 2, wherein the amount of thermosetting resin added is from 1.0 to 4.0 parts by mass with respect to 100 parts by mass of the granular aggregate.